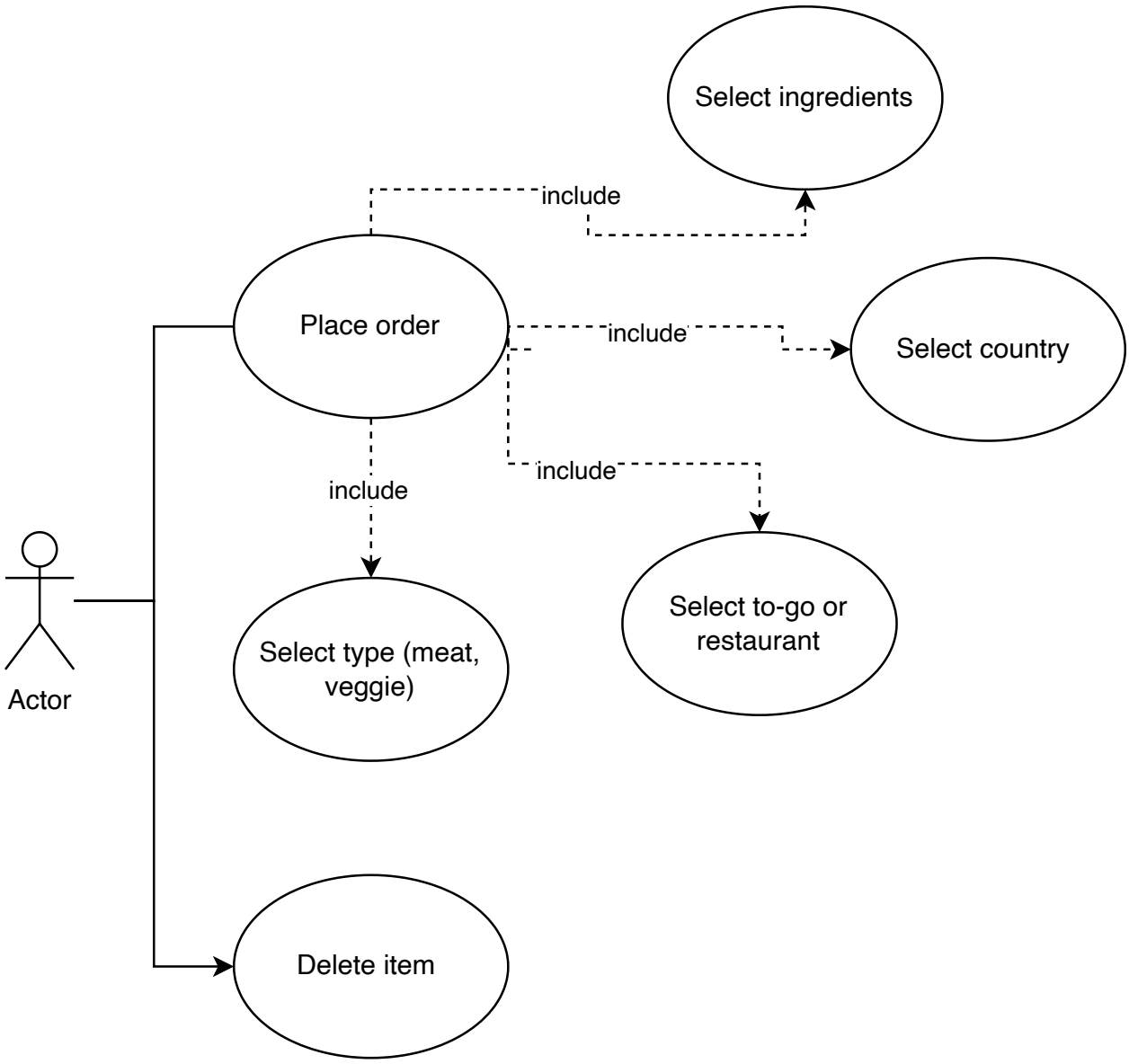
BurgerApp

Information Collecting

Description

This App lets the user order burgers from my burger chain that is operated in different countries with the same menus. The price of the burgers are different, depending on the purchase power of each country. After selecting the country, the user can select his burger type (meat or veggie) and then select the ingredients that he wants to have in his burger. The user can order different types of burgers and also delete the burgers from the the order. The user has the choice of eating at the restaurant or take it to-go and afterwards he needs to pay for his order.

Use Case Diagram



Use Case Specifications

Use Case	Place Order
Vorbedingungen	User ordered atleast one burger
Beschreibung Anwendungsfall	User places an order that the restaurant will fullfil
Nachbedingungen	Order gets send out
Ausnahmen	

Use Case	Select type (meat, veggie)
Vorbedingungen	User selected country
Beschreibung Anwendungsfall	User selects his option of patty in his burger
Nachbedingungen	Information is saved
Ausnahmen	

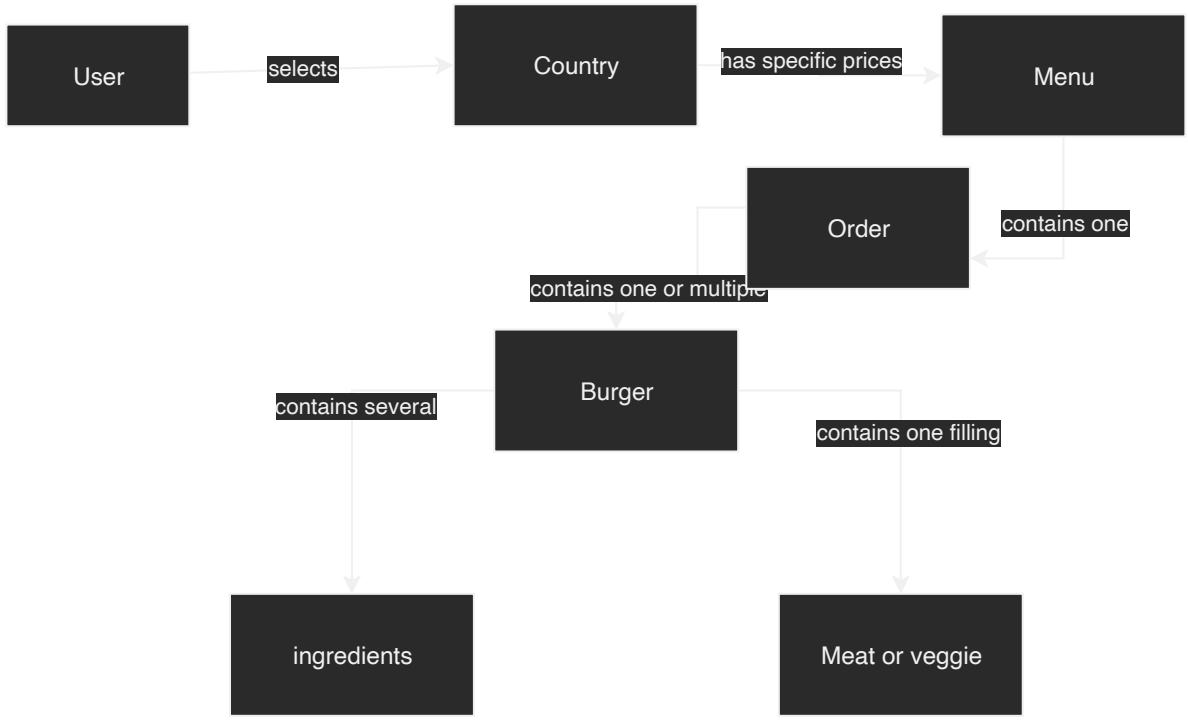
Use Case	Delete item
Vorbedingungen	User has item in cart
Beschreibung Anwendungsfall	User can delete items from his order
Nachbedingungen	Item is deleted from the oder
Ausnahmen	

Use Case	Select Ingredients
Vorbedingungen	User has selected type
Beschreibung Anwendungsfall	User can select the ingredients for the burger
Nachbedingungen	
Ausnahmen	

Use Case	Select Country
Vorbedingungen	None
Beschreibung Anwendungsfall	User selects country to get the correct prices and correct menu items
Nachbedingungen	Information is stored
Ausnahmen	User's country is not included

Use Case	Select to-go or restaurant
Vorbedingungen	User has ordered an item
Beschreibung Anwendungsfall	User selects the location he wants to eat at
Nachbedingungen	Order gets send to restaurant
Ausnahmen	User wants to cancel his order

Domain Model



Planning

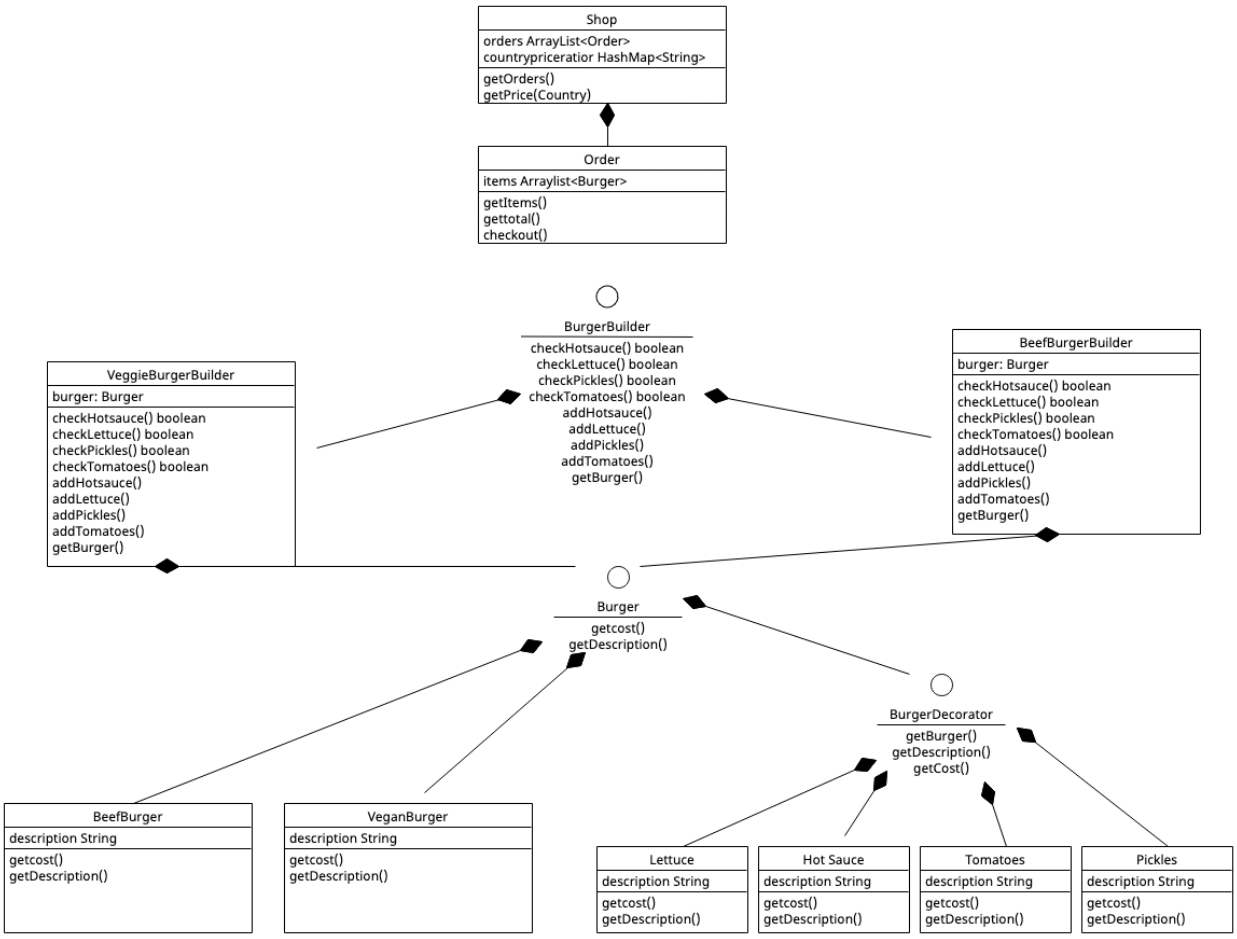
CRC-Cards

Class	Collaborators
Menu	Order
Responsibilities	
Show right prices	

Class	Collaborators
Order	Burger
Responsibilities	
Contain all the burgers a user wants to order	
calculate price of order	

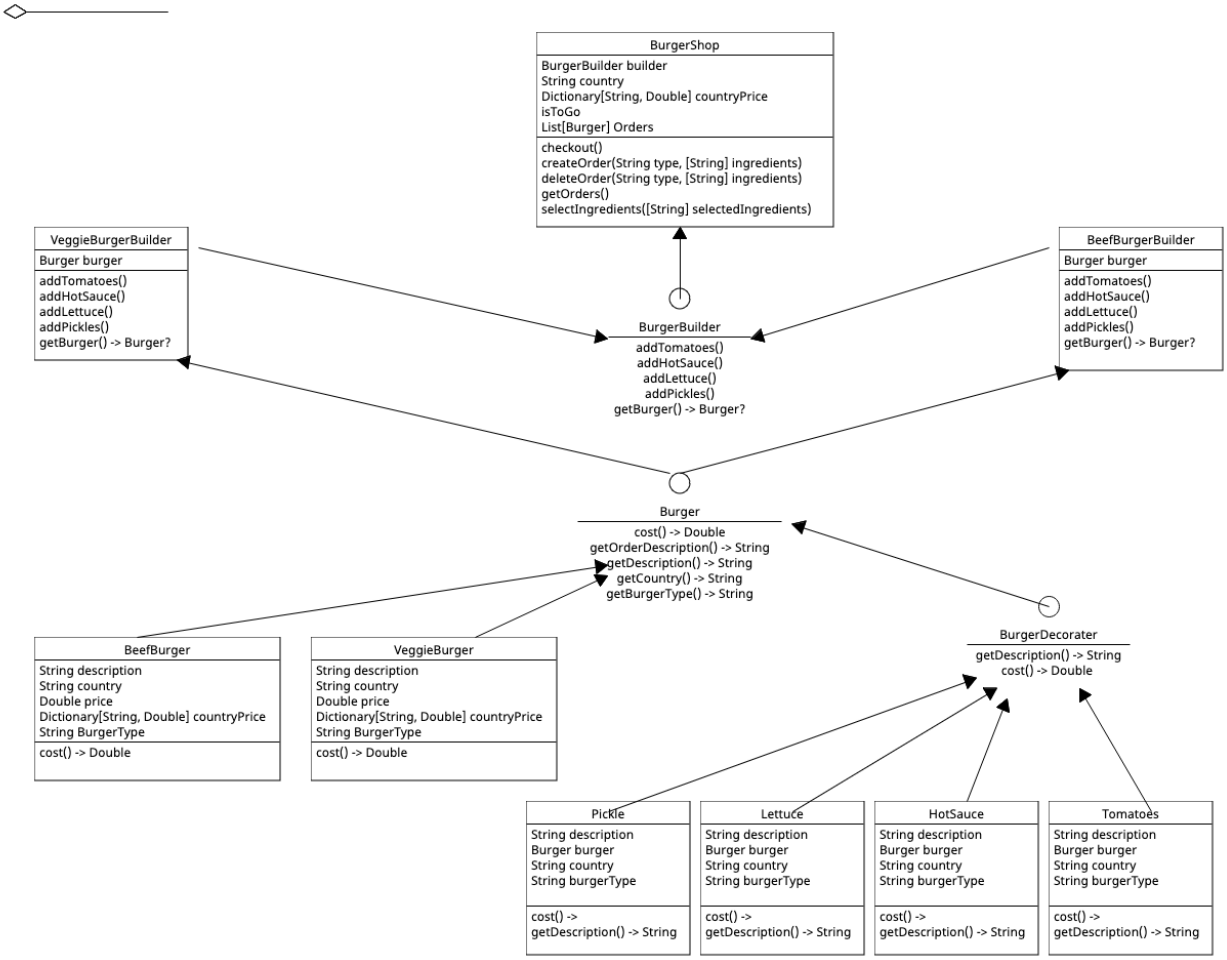
Class	Collaborators
Burger	Order
Responsibilities	
Be customizable	

Class Diagram



Realisation

Final Class Diagram



Application Documentation

The Application was coded in Swift, which presented a challenge. A GUI was created via SwiftUI and a recording of the functionality can be viewed at: Demo